**Unit 4 Map (Cell Energy)**

Osbourn Park, Biology 1, 2014-2015

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| **Topic** | **Specific Learning Target** | **DBA Score (%)** | **Test Score** (%) |
| 1. Cellular Respiration | A. You will be able to describe the purpose of cellular respiration in living organisms. |  |  |
| B. You will be able to compare / contrast glycolysis, Kreb’s cycle, and the electron transport chain. |
| C. You will be able to summarize the reactants and products of the cellular respiration reaction in words and chemical formulas. |
| D. You will be able to describe how ATP is used and broken down. |
| E. You will be able to describe the structure of mitochondria. |
| 2. Photosynthesis | F. You be able to describe the purpose of photosynthesis in living organisms. |  |  |
| G. You will be able to differentiate between characteristics of the light reactions / light dependent reactions and the dark reactions / light independent reactions / Calvin cycle. |
| H. You will be able to summarize the reactants and products of the photosynthesis reaction in words and chemical formulas. |
| I. You will be able to describe the structure of chloroplasts. |
| 3. Comparing Cell Respiration and Photosynthesis | J. You will be able to define the terms “autotroph” and “heterotroph” and identify examples of each |  |  |
| K. You will be able to compare and contrast the photosynthesis and respiration reactions and describe them as a cycle. |